

### ABSTRACT OF THE DISCLOSURE

An image display system includes: an image projector including a mirror optical element for forming an exit pupil for viewing an image at a viewing location; a viewer eye position detector for generating a signal representing the position of a viewer's eyes relative to the location; and a control system  
5 responsive to the signal for providing relative motion between the viewer and the image projector to maintain the viewer's eyes at the exit pupil.

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